The Precision

OEM weigh cells

WZB8202-N

WZB...	8202-N
Capacity	8200 g
Readability	10 mg

Analytical weigh cell focuses on weighing resolution of 10 mg and capacity up to 8200 g. The fully automatic production of the weighing system from an aluminum block significantly reduces possible assembly errors. In addition, the entire weighing system is protected from external influences by an IP44 stainless steel housing.

Highlighted performance features:
- The load cells consist of two parts: The electromagnetic force compensation weighing system and an electronics module.

- The load receptor is equipped with over- and underload protection
- Possibility for under floor weighing
- Electronics module with a front plate for all connections
- All connections are bolt connections
- LEDs for power and data transfer
- Fast warm-up time as the electronics is separated from the weighing technology
- Easy to adapt to existing installation options
- RS232 / USB-C interface for configuration and data transfer
- Additional power supply via the RS232 interface
- Configuration software for handling weight data and the menu settings
- Display unit with operator keypad (optional)

Technical Data

Electronic Module

YRD01 Display with control panel (optional)

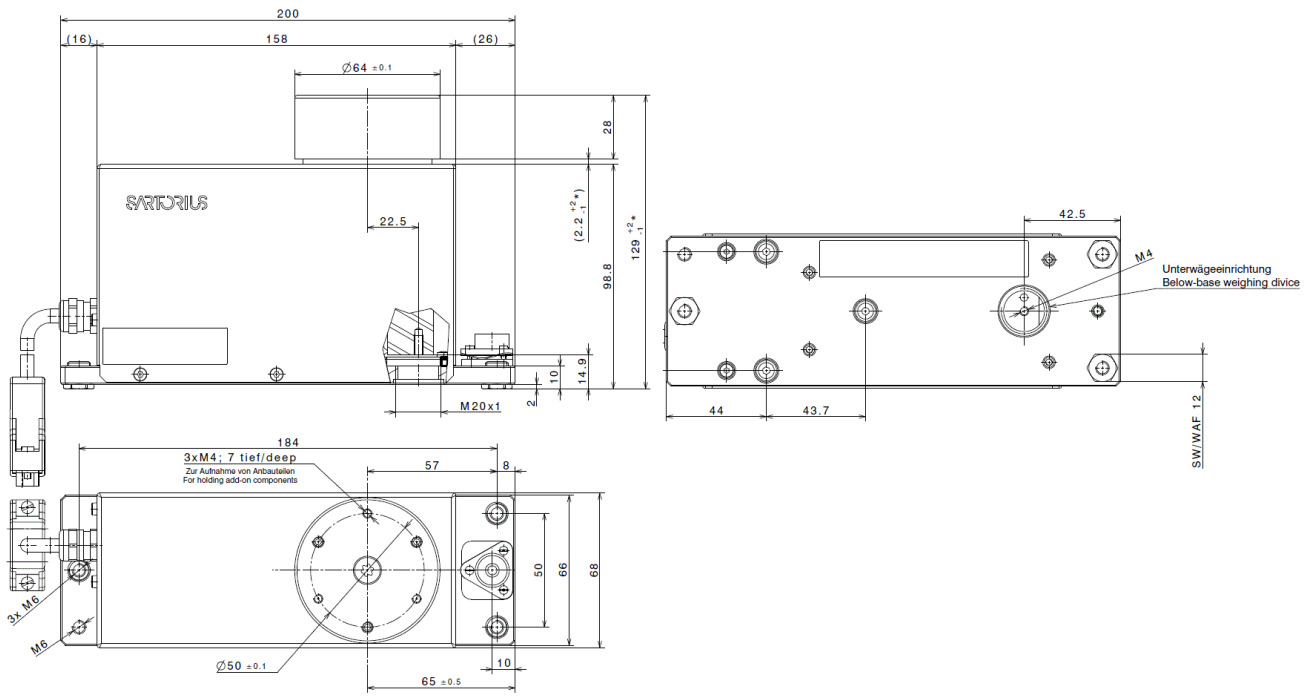| Model	WZB8202-N
Capacity	8200 g
Readability	10 mg
Preload without weighing range reduction[1]	0 - 1300 g
Repeatability (standard deviation) [2]	≤± 10 mg
Linearity	≤± 20 mg
Response time [2][3]	≤ 0.6 s / ± 1 mg
Operating temperature range	+10 .... +30 °C
Allowable temperature range	+5 .... +40 °C
Weigh cell dimension	68 × 200 × 129 mm (base × height)
Electronic PCB dimension	105 × 130 × 55 mm (base × height)
Cable length weigh cell to electronics	3 m
Load receptor adjustable + overload protection	64 mm (diameter), 31 mm height above housing
Under floor load receptor	M3 thread
Power supply	YEPS01-15V0H | 100 – 240 VAC, 50 – 60 Hz | 15V DC
Alternative Power supply	12 ... 26, optimal 15 V (+15 % -10 %); 0,5 V_{PP} (Peak to Peak)
Power consumption	2 W (typical)
Interface	RS232/USB-C 7-/8-bit; -even, -mark, -odd, -space; transmission speed 600 – 115200 Baud, 1 or 2 Stop bits, Software Hardware handshake ; Power supply also possible via RS232 connection / Pin 1 / VDC IN 12 – 26V

Options | Accessories	
Windows configuration software for test and adjustment	Sartorius CAS Suite
Display unit with operator keypad	YRD01
Connection cable	**YCC-D09M-USB-A** Data cable (USB-A) > WZB... (RS232 / 9-pin / male) / 1,5m
	YCC-USB-C-A Data cable USB-C > USB-A / 1.5 m
	YCC-D09MF Data cable RS232 / 9 pin./ male / 9 pin. / female / 1,5m

1) the preload can be configured by using the Sartorius CAS Suite software, greater preloads are possible, but reduce the weighing capacity.
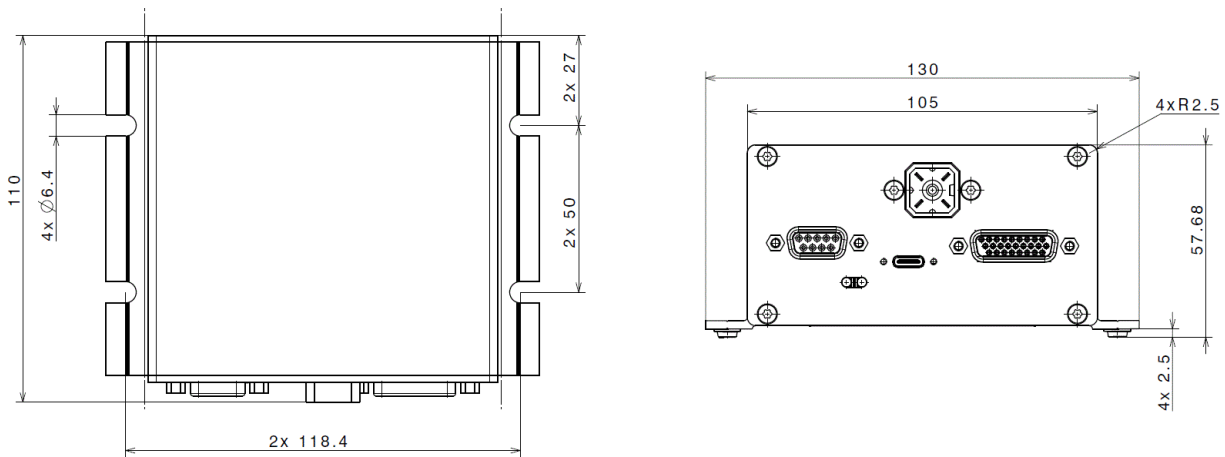2) depending on measurement equipment set-up and conditions
3) measuring time is the time in which the measured value is in the given range around the static end value; test weight is approx. 25% of the weighing range.
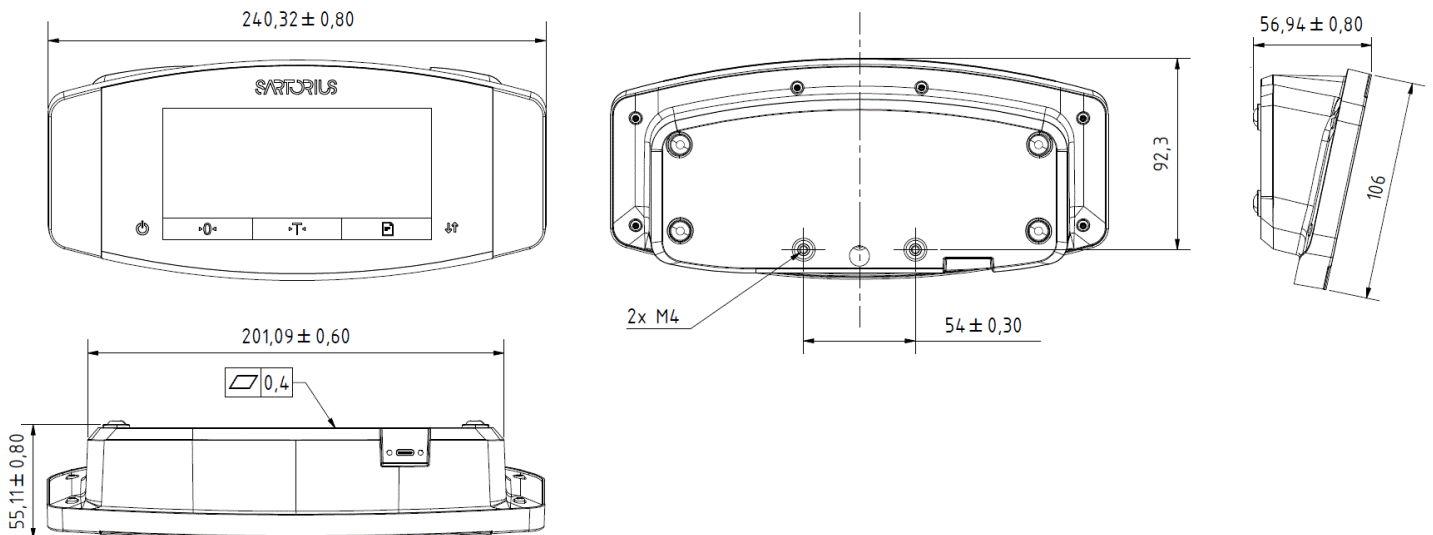
Weigh cell

Electronic module

Optional YRD01 Display and Control Unit

Dimensions in mm

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Germany
Sartorius Lab Instruments GmbH & Co. KG
Otto-Brenner-Straße 20
37079 Göttingen
Phone +49 551 308 0

France & Suisse Romande
Phone +33 1 70 62 50 00

USA
Toll-free +1 800 635 2906

Finland & Baltics
Phone +358 9 755 951

China
Phone +86 21 6878 2300

Italy
Phone +39 0362 5557 11

Japan
Phone +81 3 6478 5200

U.K.
Phone +44 1372 737159

South Korea
Phone +82 31 622 5700

🌐 For further contacts, visit
www.sartorius.com